



Figure S1 The regulation of *L. plantarum*-pMG36e-GLP-1 on the abundance of intestinal beneficial bacteria. The relative abundance of *Odoribacter* (a), *Bacteroides* (b), *Acetatifactor* (c), *Desulfovibrio* (d), *Lactobacillus* (e), *Akkermansia* (f), *Clostridium XIVa* (g), *Alistipes* (h), *Alloprevotella* (i) and *Clostridium IV* (j) were analyzed. Data are presented as means \pm SD. One way repeated-measures ANOVA with Tukey's test for multiple comparisons (a–j, respectively); * p < 0.05, ** p < 0.01.